

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">PATENT & TRADEMARK OFFICE</div> <div style="text-align: center;"> MAY 06 2002 </div> </div>				ATTY DOCKET NO. 98-PO151		SERIAL NO. 10/071,840		
				Kathleen M. Miller et al.				
				FILING 2/8/02		GROUP 3738		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
01	1.	4,054,139	10/18/77	Crossley	128	260		
	2.	4,240,163	12/23/80	Galin	3	13		
	3.	4,472,327	9/18/84	Neeffe	264	1.9		
	4.	4,603,152	7/29/86	Laurin et al.	604	265		
	5.	4,723,950	2/9/88	Lee	604	322		
	6.	4,731,080	3/15/88	Galin	623	6		
	7.	4,853,978	8/8/89	Stockum	2	167		
	8.	4,902,503	2/20/90	Umemura et al.	424	83		
	9.	4,923,450	5/8/90	Maeda et al.	604	265		
	10.	4,933,178	6/12/90	Capelli	424	78		
9)	11.	4,946,899	8/7/90	Kennedy et al.	525	244		
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
01	1.	WO 97/14447	4/24/97	PCT	A61L 27	00	✓	
02	2.	WO 99/47595	9/23/99	PCT	CO8K 3	00	✓	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
01	1.	Swartz, R., et al., "Biofilm Formation on Peritoneal Catheters Does Not Require the Presence of Infection," <i>ASAIO Trans.</i> , Vol. 37, no. 4, Oct.-Dec. 1991, pp. 626-634.						
09	2.	Richards, G.K., et al., "Comparative Rates of Antibiotic Action Against <i>Staphylococcus epidermidis</i> Biofilms," <i>ASAIO Trans.</i> , Vol. 37, no. 3, Jul.-Sept. 1991, pp. M160-162.						
EXAMINER				DATE CONSIDERED				
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>								

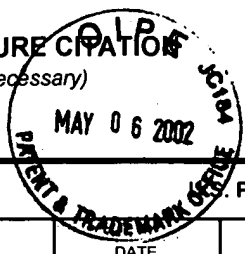
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 PATENT & TRADEMARK OFFICE

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D	12.	4,978,391	12/18/90	Jones	106	35		
	13.	5,080,892	1/14/92	Yamamori et al.	424	78.09		
	14.	5,091,205	2/25/92	Fan	427	2		
	15.	5,091,442	2/25/92	Milner	523	122		
	16.	5,098,379	3/24/92	Conway et al.	604	51		
	17.	5,102,401	4/7/92	Lambert et al.	604	264		
	18.	5,102,402	4/7/92	Dror et al.	604	265		
	19.	5,130,159	7/14/92	Shlenker et al.	427	2		
	20.	5,135,516	8/4/92	Sahatjian et al.	604	265		
	21.	5,137,671	8/11/92	Conway et al.	264	130		
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							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
D	3.	Stamm, Walter E., "Catheter-Associated Urinary Tract Infections: Epidemiology, Pathogenesis, and Prevention," <i>American Journal of Medicine</i> , Vol. 91, no. 3B, Sept. 1991, pp. 65S-71S.						
	4.	Golomb, Gershon, et al., "Prevention of Bacterial Colonization on Polyurethane <i>in vitro</i> by Incorporated Antibacterial Agent," <i>Journal of Biomedical Materials Research</i> , Vol. 25, no. 8, Aug. 1991, pp. 937-952.						
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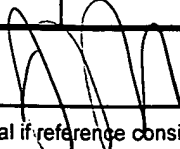
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PATENT DOCUMENTS							
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01	22	5,165,952	11/24/92	Solomon et al.	427	2	
	23	5,171,318	12/15/92	Gibson et al.	623	5	
	24	5,178,870	1/12/93	Schaeken et al.	424	405	
	25	5,217,493	6/8/93	Raad et al.	623	11	
	26	5,261,896	11/16/93	Conway et al.	604	265	
	27	5,272,012	12/21/93	Opolski	428	423.1	
	28	5,304,121	4/19/94	Sahatjian	604	53	
	29	5,328,954	7/12/94	Sarangapani	524	589	
	30	5,344,411	9/6/94	Domb et al.	604	265	
	31	5,360,415	11/1/94	Yabushita et al.	604	265	
01	32	5,362,754	11/8/94	Raad et al.	514	566	

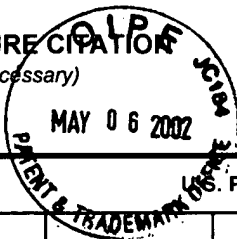
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							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
01	5.	Mulhall, Anne, "Biofilms and Urethral Catheter Infections," <i>Nursing Standard</i> , Vol. 5, no. 18, Jan. 23-29, 1991, pp. 26-28.
01	6.	Chang, Chung Che, et al., "Effect of <i>Staphylococcus epidermidis</i> on Adherence of <i>Pseudomonas aeruginosa</i> and <i>Proteus mirabilis</i> to Polymethyl Methacrylate (PMMA) and Gentamicin-Containing PMMA," <i>Journal of Orthopaedic Research</i> , Vol. 9, no. 2, Mar. 1991, pp. 284-288.

EXAMINER 	DATE CONSIDERED 1/04
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01	33.	5,366,505	11/22/94	Farber	623	11
	34..	5,370,681	12/6/94	Herweck et al.	623	1
	35.	5,389,314	2/14/95	Wang	264	25
	36.	5,409,012	4/25/95	Sahatjian	128	749
	37.	5,462,644	10/31/95	Woodson	204	131
	38.	5,599,298	2/4/97	Sahatjian	604	49
	39.	5,607,683	3/4/97	Capelli	424	405
	40.	5,611,354	3/18/97	Alleyne	128	846
	41.	5,616,119	4/1/97	Davis	604	19
	42.	5,624,704	4/29/97	Darouiche et al.	427	2.24
01	43.	5,643,207	7/1/97	Rise	604	93

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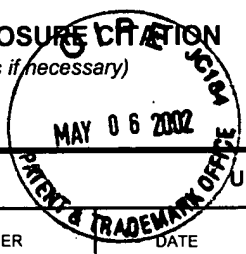
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

01	7.	Liedberg, H., et al., "Pseudomonas aeruginosa: Adherence to and Growth on Different Urinary Catheter Coatings," <i>International Urology and Nephrology</i> , Vol. 22, no. 5, 1990, pp. 487-492.
01	8.	Anwar, Hosmin, et al., "Testing the Susceptibility of Bacteria in Biofilms to Antibacterial Agents," <i>Antimicrobial Agents and Chemotherapy</i> , Vo. 34, no. 3, 1990, pp. 2043-2046,

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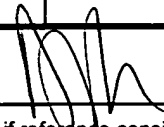
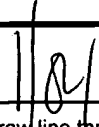
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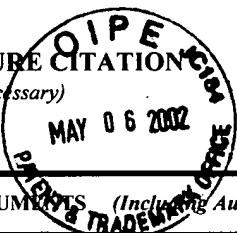
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8/11	44.	5,679,399	10/21/97	Shlenker et al.	427	2.3	
	45.	5,707,366	1/13/98	Solomon et al.	604	265	
	46.	5,716,406	2/10/98	Farber	623	11	
	47.	5,741,331	4/21/98	Pinchuk	623	11	
	48.	5,772,640	6/30/98	Modak et al.	604	265	
	49.	5,853,745	12/29/98	Darouiche	424	423	
	50.	5,902,283	5/11/99	Darouiche et al.	604	265	
	51.	6,083,208	7/4/2000	Modak et al.	604	265	
	52.	6,106,505	8/22/2000	Modak et al.	604	265	
	53.	09/734,639		Pinchuk et al.			12/12/00


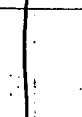
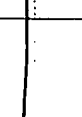
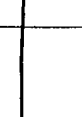
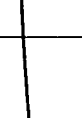
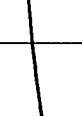
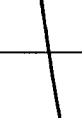
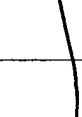
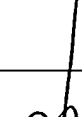
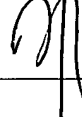
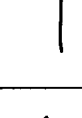


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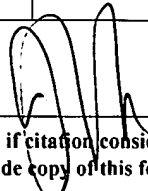
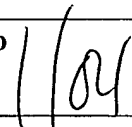
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
8/11	9.	Dunne, W. Michael Jr., "Effects of Subinhibitory Concentrations of Vancomycin or Cefamandole on Biofilm Production by Coagulase-Negative Staphylococci," <i>Antimicrobial Agents and Chemotherapy</i> , Vol. 34, no. 3, Mar. 1990, pp. 390-393.
8/11	10.	Doughterty, Steven H., et al., "Endogenous Factors Contributing to Prosthetic Device Infections," <i>Infectious Disease Clinics of North America</i> , Vol. 3, no. 2, June 1989, pp. 199-209.

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		Applicant(s) Kathleen M. Miller et al.	
Filing Date 2/8/02		Group Art Unit 3738	

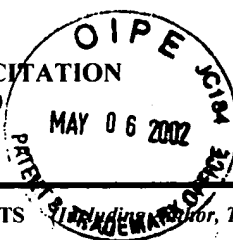
*EXAMINER INITIAL	OTHER DOCUMENTS	(Including Author, Title, Date, Pertinent Pages, Etc.)
	11.	Speer, Anthony G., et al., "Biliary Stent Blockage with Bacterial Biofilm," <i>Annals of Internal Medicine</i> , Vol. 108, no. 4, Apr. 1998, pp. 546-553
	12.	Liedberg, H., et al., "Silver Coating of Urinary Catheters Prevents Adherence and Growth of <i>Pseudomonas Aeruginosa</i> ," <i>Urological Research</i> , Vol. 17, no. 6, 1989, pp. 357-358.
	13.	Ramsay, J.W.A., et al., "Biofilms, Bacteria, and Bladder Catheters: A Clinical Study," <i>British Journal of Urology</i> , Vol. 64, no. 4, Oct. 1989, pp. 395-398.
	14.	Farber, Bruce F., et al., "The Use of Nonsteroidal Antiinflammatory Drugs to Prevent Adherence of <i>Staphylococcus epidermidis</i> to Medical Polymers," <i>Journal of Infectious Diseases</i> , Vol. 166, no. 4, Oct., 1992, pp. 861-865.
	15.	Farber, Bruce F., et al., " <i>Staphylococcus epidermidis</i> Extracted Slime Inhibits the Antimicrobial Action of Glycopeptide Antibiotics," <i>Journal of Infectious Diseases</i> , Vol. 161, no.1, Jan. 1990, pp. 37-40.
	16.	Donnenfeld, E.D., et al., "Biofilm and Bacterial Adherence Inhibition with Sodium Salicylate," <i>Investigative Ophthalmology & Visual Science</i> , Vol. 35, no. 4, 1994, p. 2164.
	17.	Farber, B.F., et al., " <i>Staphylococcus aureus</i> Extracted Polysaccharide Interferes with the Antimicrobial Action of Glycopeptide Antibiotics," <i>Clinical Research</i> , Vol. 38, no. 2, 1990, p. 428A.
	18.	Farber, B.F., et al., "Extracted <i>S. epidermidis</i> Slime Interferes with the Antimicrobial Action of Glycopeptide Antibiotics," <i>Clinical Research</i> , Vol. 37, no. 2, 1990, p. 428A.
	19.	Farber, B.F., et al., "Unique Properties of <i>S. epidermidis</i> Extractable Polysaccharide Slime (SEEP)," <i>Clinical Research</i> , Vol. 36, no. 3, 1988, p. 455A.
	20.	Teichberg, Saul, et al., "Salicylic Acid Decreases Extracellular Biofilm Production by <i>Staphylococcus epidermidis</i> : Electron Microscope Analysis," <i>Journal of Infectious Diseases</i> , Vol. 167, no. 6, 1993, pp. 1501-1503.
	21.	Farber, Bruce F., et al., "A Novel Antibiofilm Technology for Contact Lens Solutions," <i>Ophthalmology</i> , Vol. 102, no. 5, May 1995, pp. 831-836.
		
		

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Docket Number (Optional)

98-PO151

Application Number

10/071,840

Applicant(s)

Kathleen M. Miller

Filing Date

2/8/02

Group Art Unit

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*EXAMINER
INITIAL

OTHER DOCUMENTS

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| 22. | Roberts, E.L., et al., "The Role of Sodium Salicylate in the Prevention of the Adherence of Acanthamoeba Castellani to Unworn Contact Lenses," <i>Investigative Ophthalmology & Visual Science</i> , Vol. 35, no. 4, 1994, p. 2150. |
| 23. | Donnenfeld, Eric D., et al., "Controlled Evaluation of a Bandage Contact Lens and a Topical Nonsteroidal Antiinflammatory Drug in Treating Traumatic Corneal Abrasions," <i>Ophthalmology</i> , Vol. 102, no. 6, June 1995, pp. 979-984. |
| 24. | Costerton, J. William, et al., "Bacterial Biofilms in Nature and Disease," <i>Annual Review of Microbiology</i> , Vol. 41, 1987, pp. 435-464. |
| 25. | Parsons, C. Lowell, et al., "Inhibition of Sodium Urate Crystal Adherence to Bladder Surface by Polysaccharide," <i>Journal of Urology</i> , Vol. 134, no. 3, Sept. 1985, pp. 614-616. |
| 26. | Kingston, D., et al., "Self-disinfecting Plastics for Intravenous Catheters and Prosthetic Inserts," <i>Journal of Hygiene, Cambridge</i> , Vol. 96, 1986, pp. 185-198. |
| 27. | Speer, A.G., et al., "The Role of Bacterial Biofilm in Clogging of Biliary Stents," Dept. Gastroenterology, Middlessex Hospital, London UK, Dept. Biology, University of Calgary, Alberta, Canada. |
| 28. | Sherman, Stuart, et al., "Stent-induced Pancreatic Ductal and Parenchymal Changes: Correlation of Endoscopic Ultrasound with ERCP," <i>Gastrointestinal Endoscopy</i> , Vol. 44, no. 3, 1996, pp. 276-282. |
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